



**(43) International Publication Date**  
**31 March 2005 (31.03.2005)**

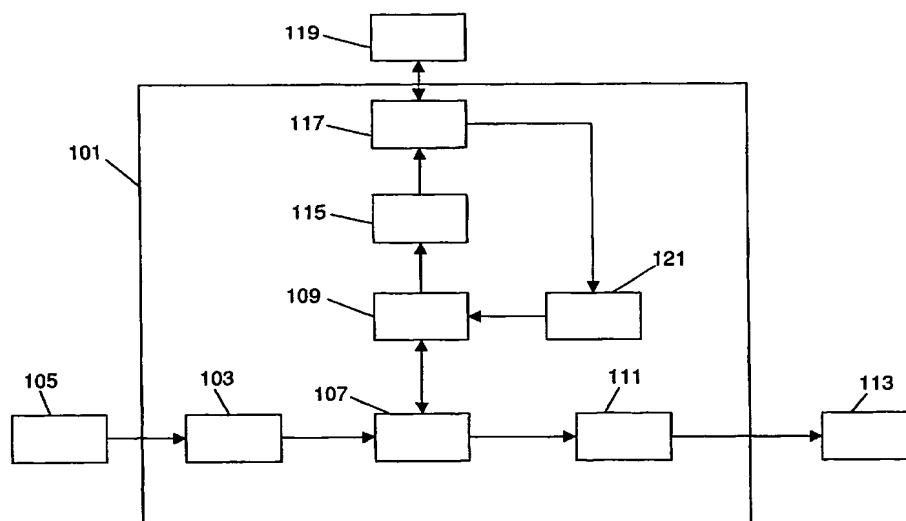
**PCT**

**(10) International Publication Number**  
**WO 2005/029852 A1**

- (51) **International Patent Classification<sup>7</sup>:** **H04N 5/76,**  
G11B 20/18, 20/00, 27/34
- (21) **International Application Number:**  
PCT/IB2004/051661
- (22) **International Filing Date:**  
1 September 2004 (01.09.2004)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
03103476.2 22 September 2003 (22.09.2003) EP
- (71) **Applicant (for all designated States except US):** **KONIN-  
KLJKE PHILIPS ELECTRONICS N.V. [NL/NL];**  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **FONTIJN, Wilhel-  
mus, F., J. [NL/NL];** c/o Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL). **VAN GAGELDONK, Johan, S., H.**  
[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven  
(NL). **BLACQUIERE, Johannes, F., J. [NL/NL];** c/o  
Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **KELLY,  
Declan, P. [IE/CN];** c/o Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL).
- (74) **Agent:** **GROENENDAAL, Antonius, W., M.;** Prof. Hol-  
stlaan 6, NL-5656 AA Eindhoven (NL).
- (81) **Designated States (unless otherwise indicated, for every  
kind of national protection available):** AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) **Designated States (unless otherwise indicated, for every  
kind of regional protection available):** ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

**(54) Title: BACKUP AND RECOVERY OF RECORDED CONTENTS**



**(57) Abstract:** The invention relates to a content item recorder (101) comprising storage means (109) for storing a plurality of content items. The content item recorder (101) may be a Personal Video Recorder comprising a hard disk. The content item recorder (109) comprises a back-up processor (115) generating reduced reference information associated with the plurality of content items; and a memory interface (117) for storing the reduced reference information to a back-up memory (119) separate from the storage means (109). The reduced reference information may be reduced user profile information of reference information allowing external copies of content items to be identified from external sources which may specifically be part of a peer-to-peer network. The reduced reference information may automatically be stored on recordable DVD disks when a content item is stored thereon. Following a hard disk malfunction or replacement, hard disk information may be restored in response to the reduced reference information.

**WO 2005/029852 A1**



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,*

*SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

**Published:**

- *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*